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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/916,804	07/27/2001	Yutaka Takeshima	P/1071-1392	2161	
759	90 04/01/2003				
Edward A. Meilman			EXAMINER		
DICKSTEIN SHIPIRO MORIN & OSHINSKY 1177 Avenue of the Americas			BARR, MICHAEL E		
41st Floor New York, NY	10036-2714	ART UNIT	PAPER NUMBER		
			1762		
			DATE MAIL ED: 04/01/2003		

13

Please find below and/or attached an Office communication concerning this application or proceeding.

					HC
••		Application N	lo.	Applicant(s)	
Office Action Summary The MAILING DATE of this communication app Period for Reply		09/916,804		TAKESHIMA, YUTAKA	
		Examiner		Art Unit	
		Michael Barr		1762	
Period for Reply	DATE OF UNIS COMMUNICATION	appears on the co	er sheet with the c	orrespondence ad	dress
- Extensions of time may be after SIX (6) MONTHS from - If the period for reply specified for reply is specified If NO period for reply is specified Failure to reply within the significant for reply within the significant fo	ATUTORY PERIOD FOR RE OF THIS COMMUNICATIO available under the provisions of 37 CFF in the mailling date of this communication. fied above is less than thirty (30) days, a sciffed above, the maximum statutory per et or extended period for reply will, by sta fffice later than three months after the ma- ent. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, he reply within the statutory independent will explicate the control of the control	owever, may a reply be time minimum of thirty (30) days re SIX (6) MONTHS from t	ely filed will be considered timely he mailing date of this co	/. ommunication.
_	communication(s) filed on 2	14 Fahman 2000			
2a)☐ This action is					
_	/	This action is non-			
closed in acco	lication is in condition for allor rdance with the practice und	owance except for ler <i>Ex part</i> e Quaylo	formal matters, pro e, 1935 C.D. 11, 45	esecution as to the 53 O.G. 213.	e merits is
4)⊠ Claim(s) <u>1-14</u> i	s/are pending in the applicat	ion.			
4a) Of the above	e claim(s) is/are withd	rawn from conside	eration.		
5) Claim(s)					
6)⊠ Claim(s) <u>1-14</u> is	/are rejected.				
7) Claim(s)	is/are objected to.				
8) Claim(s) Application Papers	are subject to restriction and	d/or election requir	ement.		
9)☐ The specification	is objected to by the Exami	ner.			
	led on is/are: a)□ acc		ted to by the Evami	inor	
Applicant may n	ot request that any objection to	the drawing(s) be he	eld in abevance. See	37 CFR 1.85(a)	
11) The proposed dra	awing correction filed on	is: a)☐ approv	ed b)☐ disapprove	ed by the Evaminar	
If approved, corr	ected drawings are required in	reply to this Office a	ction.	od by the Examiner	•
	aration is objected to by the E				
Priority under 35 U.S.C.					
13)⊠ Acknowledgmen	t is made of a claim for forei	an priority under 3	5 U.S.C. & 119(a)-	(d) or (f)	
a)⊠ All b)⊡ Som	ıe * c)☐ None of:	gri priority ariaor o	o o.o.o. 3 119(a)-((d) Of (i).	
<u></u>	opies of the priority documer	nts have been reco	aivad		
2.☐ Certified c	opies of the priority documer	nts have been rece	eived in Application	No	
3. Copies of	the certified copies of the pri	Ority documents h	eve been received	in this National Co	
* See the attached of	detailed Office action for a lis	st of the certified co	17.2(a)). Opies not received.		
14) Acknowledgment i	s made of a claim for domes	tic priority under 3	5 U.S.C. § 119(e) (to a provisional a	pplication)
a) ∐ The translation	on of the foreign language pr is made of a claim for domes	rovisional applicati	on has been receive	od	pproductiy.
	(DTO 200)				
☐ Information Disclosure State	(PTO-892) tent Drawing Review (PTO-948) ement(s) (PTO-1449) Paper No(s) _	4)	Interview Summary (P Notice of Informal Pate Other:	TO-413) Paper No(s). ent Application (PTO-1	52)
Patent and Trademark Office D-326 (Rev. 04-01)	055 4	action Summary			

Application/Control Number: 09/916,804

Art Unit: 1762

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/21/2003 has been entered.

Response to Arguments

2. Applicant's arguments and amendments, filed 2/21/2003, have been fully considered and reviewed by the examiner. Claims 1-14 are pending.

The applicant has argued that the Hayashi reference does not teach the newly recited limitation of directly introducing the atomized solution into the film forming chamber. The examiner disagrees. Hayashi teaches introducing the atomized solution directly into the film-forming chamber with the nozzle opening (Col. 9, lines 59-65; Fig. 1A). The atomization and nozzle delivery of the precursor delivery taught by Hayashi reads on that claimed in step (b) of Claim 1. The applicant argues that the presently claimed invention avoids the need for piping or similar apparatus to deliver the atomized solution to the film forming chamber. However, it appears that the applicant's arguments are not commensurate in scope with the claims, and thus are not convincing. The remainder of the applicant's arguments have been addressed by the

Application/Control Number: 09/916,804

Art Unit: 1762

examiner in the Advisory Action No. 8, mailed 1/28/2003. The examiner is maintaining his position on these matters.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-3, 9, and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayashi et al. in view of Solayappan et al.

Hayashi et al. and Solayappan et al. are applied here for the same reasons as given above and in paragraph 3 of the previous office action, No. 6, mailed 10/22/2002.

5. Claims 4-8 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayashi et al. and Solayappan et al. as applied to claim 1 above, and further in view of Ogi et al.

Hayashi et al., Solayappan et al., and Ogi et al. are applied here for the same reasons as given above and in paragraph 4 of the previous office action, No. 6, mailed 10/22/2002.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Liu et al. teaches atomizing a liquid in a nozzle and then directly delivering the atomized liquid to a chamber.

Application/Control Number: 09/916,804

Art Unit: 1762

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Barr whose telephone number is 703-305-7919. The examiner can normally be reached on Monday-Thursday 6:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive Beck can be reached on 703-308-2333. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 or 703-305-5408 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Michael Barr

Primary Examiner

Art Unit 1762

MB March 5, 2003